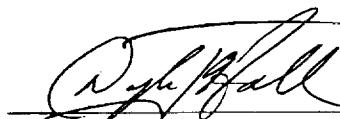


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Final Report NASA Grant: NAG 5-2466
for the period: Jan. 14, 1994 – Jan. 15, 1995

THE TEMPERATURE OF IO PLASMA TORUS ELECTRONS

International Ultraviolet Explorer SWP spectra of the Io plasma torus were successfully acquired during the specified observational period. The data have been compared to previous IUE observations of the torus to search for electron-temperature variation effects, and used as baseline measurements for the Comet Shoemaker-Levy 9 observing effort. The reduced data have been published in McGrath et al. (1995).



Doyle T. Hall, Principal Investigator

Publications

McGrath, M. A., Hall, D. T., Matheson, P. L., Weaver, H. A., Trauger, J. T., Smith, T. E., Thomas, N., Gladstone, R., Schneider, N. M., Harris, W. M., Livengood, T. A., Prange, R., Festou, M. C., Response of the Io Plasma Torus to Comet Shoemaker-Levy 9, *Science*, **267**, 1313–1317, 1995.

(NASA-CR-197771) THE TEMPERATURE
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